

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009568.D
 Acq On : 29 Mar 2019 11:43
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:47 AM

Quant Time: Mar 29 13:23:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	325592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	366135	96.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.78%	
35) Dibromofluoromethane	7.88	113	306787	97.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.46%	
50) Toluene-d8	10.32	98	1174241	96.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.88%	
62) 4-Bromofluorobenzene	12.62	95	449357	98.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	191512	100.598	ug/l	94
3) Chloromethane	2.22	50	270706	107.462	ug/l	98
4) Vinyl Chloride	2.37	62	340744	98.546	ug/l	98
5) Bromomethane	2.78	94	258438	98.953	ug/l	99
6) Chloroethane	2.92	64	254403	97.327	ug/l	98
7) Trichlorofluoromethane	3.26	101	240056	100.059	ug/l	98
8) Diethyl Ether	3.68	74	162235	95.714	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	310321	96.870	ug/l	96
10) Methyl Iodide	4.27	142	436487	97.000	ug/l	97
11) Tert butyl alcohol	5.21	59	106808	511.933	ug/l	99
12) 1,1-Dichloroethene	4.04	96	294402	96.860	ug/l	96
13) Acrolein	3.89	56	78244	495.514	ug/l	98
14) Allyl chloride	4.66	41	490507	97.836	ug/l	97
15) Acrylonitrile	5.37	53	390173	519.416	ug/l	99
16) Acetone	4.13	43	394446	469.101	ug/l	96
17) Carbon Disulfide	4.38	76	827551	97.468	ug/l	99
18) Methyl Acetate	4.67	43	208433	106.126	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	461358	105.050	ug/l	96
20) Methylene Chloride	4.91	84	313265	94.424	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	320177	98.016	ug/l	89
22) Diisopropyl ether	6.31	45	1121891	102.427	ug/l	95
23) Vinyl Acetate	6.25	43	3748879	543.105	ug/l	99
24) 1,1-Dichloroethane	6.21	63	627821	97.833	ug/l	99
25) 2-Butanone	7.17	43	621620	543.001	ug/l	96
26) 2,2-Dichloropropane	7.17	77	349002	95.055	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	363523	100.472	ug/l	97
28) Bromochloromethane	7.51	49	289144	106.776	ug/l	94
29) Tetrahydrofuran	7.53	42	391444	546.237	ug/l	98
30) Chloroform	7.67	83	657372	99.607	ug/l	99
31) Cyclohexane	7.95	56	559092	97.595	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	519787	96.714	ug/l	97
36) 1,1-Dichloropropene	8.08	75	501778	96.452	ug/l	100
37) Ethyl Acetate	7.26	43	257436	105.346	ug/l	99
38) Carbon Tetrachloride	8.06	117	517277	98.202	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	608880	101.583	ug/l	94
40) Benzene	8.32	78	1379015	98.009	ug/l	99
41) Methacrylonitrile	7.48	41	171944	118.261	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	476424	101.457	ug/l	99
43) Isopropyl Acetate	8.42	43	527074	111.318	ug/l	98
44) Trichloroethene	9.09	130	357180	98.356	ug/l	98
45) 1,2-Dichloropropane	9.37	63	349547	97.429	ug/l	99
46) Dibromomethane	9.46	93	196958	102.681	ug/l	96
47) Bromodichloromethane	9.64	83	502874	100.629	ug/l	96
48) Methyl methacrylate	9.43	41	257268	109.585	ug/l	95
49) 1,4-Dioxane	9.47	88	60633	2044.399	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	1429668	550.830	ug/l	100
52) Toluene	10.38	92	891536	98.795	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	527322	105.989	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	573969	103.796	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	270592	103.717	ug/l	97
56) Ethyl methacrylate	10.65	69	382413	112.743	ug/l	98
57) 1,3-Dichloropropane	10.93	76	485102	103.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	957682	576.311	ug/l	97
59) 2-Hexanone	10.97	43	1027740	556.558	ug/l	99
60) Dibromochloromethane	11.13	129	335983	106.060	ug/l	99
61) 1,2-Dibromoethane	11.23	107	261559	103.880	ug/l	99
64) Tetrachloroethene	10.86	164	305335	98.165	ug/l	95
65) Chlorobenzene	11.66	112	974664	99.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	364038	101.238	ug/l	99
67) Ethyl Benzene	11.73	91	1803148	100.572	ug/l	100
68) m/p-Xylenes	11.84	106	1367763	200.759	ug/l	99
69) o-Xylene	12.16	106	654143	102.348	ug/l	99
70) Styrene	12.18	104	1105421	102.369	ug/l	100
71) Bromoform	12.35	173	209358	107.892	ug/l #	99
73) Isopropylbenzene	12.46	105	1873643	99.420	ug/l	100
74) N-amyl acetate	12.27	43	540187	113.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	345599	103.981	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	242934m	100.672	ug/l	
77) Bromobenzene	12.75	156	411891	98.061	ug/l	96
78) n-propylbenzene	12.80	91	2272993	97.908	ug/l	100
79) 2-Chlorotoluene	12.90	91	1273505	97.625	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1564108	98.076	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	116447	112.660	ug/l	99
82) 4-Chlorotoluene	12.99	91	1341928	97.678	ug/l	99
83) tert-Butylbenzene	13.21	119	1366470	100.703	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1606624	97.563	ug/l	99
85) sec-Butylbenzene	13.38	105	2010266	97.548	ug/l	99
86) p-Isopropyltoluene	13.50	119	1774727	99.082	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	840624	97.224	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	827702	96.282	ug/l	99
89) n-Butylbenzene	13.83	91	1732922	98.243	ug/l	99
90) Hexachloroethane	14.10	117	330386	99.572	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	756101	97.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	63539	103.830	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	530497	102.894	ug/l	99
94) Hexachlorobutadiene	15.24	225	313308	97.758	ug/l	99
95) Naphthalene	15.37	128	1057191	110.506	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	470982	103.681	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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